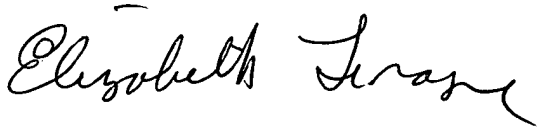
thio-phosphate. If the gene is no longer being transcribed than the addition of thio-phosphate will make no difference in its expression. It must be added before or at the time the gene is expressed in order for the thio-phosphate to be incorporated into the backbone of the mRNA.

Regarding objections based on 35 USC 112 – Clarity of claims

The claims have been modified below to more succinctly embody the invention. These claims will hopefully meet the examiner's requirements.

I wish to declare and make a verified statement that the modified claims include no new matter as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825 (d).

Respectfully submitted,



Elizabeth Gay Frayne, PhD
Frayne Consultants
2027 Galvin Ln. #1
Diamond Bar, CA 91765
(909)860-7415